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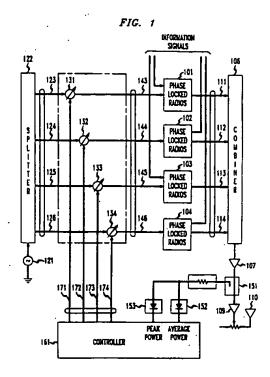
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- (A) Method and apparatus for reducing the peak-to-average power in multi-carrier RF communication systems.
- Apparatus for controlling a system including a linear amplifier (109) processing a plurality of carrier signals (111-114) of a multi channel carrier system alters the phases (by 131-134) of one or more sources of the multi-channel signals in response to a detected peak envelope power (in 153) or of a peak to average power (in 152) ratio at regular scheduled intervals. This reduces the peak envelope power to average envelope power ratio and enables the reduction in the power rating required by the amplifiers handling the multi-channel signal.



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## **EUROPEAN SEARCH REPORT**

Application Number EP 93 30 8178

DOCUMENTS CONSIDERED TO BE RELEVANT  Citation of document with indication, where appropriate,				
Category	of relevant pas	menuon, where appropriate,	Relevant to claim	CLASSIFICATION OF THE APPLICATION (INLCL5)
A	US-A-5 045 799 (C. l * column 1, line 37 figures *	HOLECECK) - column 2, line 7;	1	H03G3/20 H03F1/32
P,A	PATENT ABSTRACTS OF vol. 17, no. 508 (E- 1993 & JP-A-05 130 191 (F * abstract *	·1431) 13 September	1	
D,A	US-A-4 064 464 (A. \ * column 1, line 48	f. MORSE) - line 68 *	1	
		·		TECHNICAL FIELDS SEARCHED (Ind.Cl.9) H03G
				H03F H04B
	The present search report has be	ta drawa up for all claims		
	Place of search	Date of completion of the search		Examinar
X : par Y : par doc	THE HAGUE  CATEGORY OF CITED DOCUMEN  ticularly relevant if taken alone ticularly relevant if combined with anorament of the same category hadological background	E : earlier patent after the filing	ciple underlying the document, but pub	lished oa, ar n

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